

AC/AC Models

AC/AC Modeller

Max. power VA	Input voltage (VAC)	Style	Version - Versjon																		Model	Page
			3V	4.5V	5V	6V	7.5V	9V	10.5V	12V	13V	15V	16V	18V	21V	24V	28V	35V	36V	42V		
3,5	230	1	✓	✓		✓	✓	✓	✓		✓		✓	✓	✓	✓			✓	8310	14	
8,5	230	1	✓	✓		✓	✓	✓		✓		✓		✓	✓	✓		✓		8510	14	
10,5	230	1	✓	✓		✓	✓	✓		✓		✓		✓	✓	✓		✓		8610	14	
15	230	1	✓	✓		✓	✓	✓	✓	✓		✓		✓	✓	✓	✓			8710	14	
20	230	1				✓	✓	✓	✓	✓		✓		✓	✓	✓	✓			8810	14	
25	230	2	✓	✓	✓	✓	✓	✓		✓		✓		✓	✓	✓				6820	web	
31	230	2				✓	✓	✓		✓		✓		✓	✓	✓			✓	8930	web	

AC/DC Plug-in models

AC/DC Plugg-inn modeller

Max. power	Input voltage	Style	Version - Output current (A)																		Model	Page
			1.5V	2V	3V	4.5V	5V	6V	7.5V	9V	10.5V	12V	15V	16V	18V	21V	22V	24V	28V	30V		

Linear adaptors, unregulated / lineære, ustabiliserte

2,5	230	1		✓	✓	✓		✓	✓	✓	✓	✓		✓	✓		✓	✓		✓	8311	16	
6,5	230	1	✓		✓	✓		✓	✓	✓		✓	✓		✓	✓		✓	✓		✓	8511	16
8	230	1			✓	✓		✓	✓	✓		✓	✓		✓	✓		✓	✓		✓	8611	16
10	230	1			✓	✓		✓	✓	✓	✓	✓		✓	✓		✓	✓			8711	16	

Linear adaptors, regulated / lineære, stabiliserte

0,8	230	1		✓	✓		✓	✓	✓		✓	✓		✓	✓	✓					8312	web
1,8	230	1	1,5-9V adjustable/justerbar																		8313	17
2,4	230	1	5-12V adjustable/justerbar																		8513	17
4,8	230	1		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓					8613	17
7,5	230	1	5-15V adjustable/justerbar																		8713	17
8	230	1		✓	✓	✓	✓		✓	✓		✓		✓		✓					8713	17
10	230	1	5-24V adjustable/justerbar																		8717	17

Switch mode

7,5	90-264	1			1A	1A	0,72A	0,62A	0,6A		0,6A	0,5A									9725	19
7,5	90-264	1			1A	1A	0,73A	0,66A	0,6A		0,6A	0,5A								0,16A	2725	19
8,4	230	1																	0,2A		9723	web
10	90-264	1			0,8A	0,8A	0,8A	0,8A		0,8A		0,62A			0,4A						9525	20
10	90-264	1			1A		1A		0,75A		0,6A			0,4A							2123	30
12	230	1		1,2A	1,2A	1,2A	1,2A		1A		0,75A			0,5A							9923	21
15	230	1			1,45A	1,4A		1,1A	1A		0,7A			0,6A							9722	22
16	90-264	1			1,5A		1,5A		1,2A		1A			0,65A						0,33A	2126	31
16	90-264	2			1,5A		1,5A		1,2A		1A			0,65A						0,33A	2926	32 <span>New!</span>
19,5	230	1	4,5-12VDC / 12-30VDC adjustable/justerbar																		9829	23
24	230	1		1,8A		1,8A	1,8A	1,6A		1,6	1,6A			0,9A							9827	24
40	230	1					3A		3A		2,5A			1,5A							9118	web
40	90-264	2			3,5A		3A		3A		2,5A			1,6A						0,8A	9926	33
40	90-264	2			3,5A	5A		3A		3A		2,5A		1,6A						0,8A	2721	33
40,8	120/230	1				3A	2,8A		2,4A			1,7A		1,3A							9619	web
40,8	120/230	1							2,4A					1,3A							9819	25
60	90-264	2			8A	7A	6A		5A		3,75A			2,5A							3021	36 <span>New!</span>

AC/DC Desktop Models

AC/DC Bordmodeller

Max. power (W)	Input voltage (VAC)	Style	Version - Output current (A)																Model	Page						
			Version - Laststrøm (A)																							
Maks. effekt (W)	Inngangsspenning	Form	1,5V	2V	3V	4,5V	5V	6V	7,5V	9V	10,5V	12V	15V	16V	18V	21V	22V	24V	28V	30V	36V	40V	42V	48V	Modell	Side

Power supplies linear, regulated / Kraftaggregater lineære, stabiliserte

8	230	2					1,6A																		6823	27	
12	230	2																								6823	27
18	230	2																								8937	28
36	230	2																								8421	web
45	230	2																								719	web
60	230	2																								CPD1502	web
160	230	2																								CP3205	web

Power supplies switch mode / Kraftaggregater switch mode

10	90-264	2					1A				0,75A		0,6A													2121	30	
10	90-264	2					1A				0,75A		0,6A														2122	30
16	90-264	2					1,5A				1,2A		1A										0,33A			2124	31	
16	90-264	2					1,5A				1,2A		1A										0,33A			2125	31	
16	90-264	2					1,5A				1,2A		1A										0,33A			2924	32	
40	90-264	2					3,5A				3A		2,5A										0,8A			9920	33	
40	90-264	2					3,5A				3A		2,5A										0,8A			9921	33	
40	90-264	2					3,5A				3A		2,5A										0,8A			9922	33	
40	90-264	2					3,5A	5A			3A		2,5A										0,8A			2720	34	
46	230	2							3A	4,5A		3,5A	2,7A													9120	web	
60	90-264	2								4,5A		4,5A	3,75													3020	35	
60	90-264	2								4,5A		4,5A	3,75													2020	35	
60	90-264	2								4,5A		4,5A	3,75													2021	35	
60	90-264	2								4,5A		4,5A	3,75													2022	35	
60	90-264	2						8A	7A	6A		5A	3,75A													3020	36	
70	230	2								5A		5A	4,4A										2A			9320	37	
70	230	2								5A																9322	37	
96	90-264	2									7A		6A										3,5A		2A	9726	38	
96	90-264	2									7A		6A										3,5A		2A	2026	web	
96	230	2									7A		6A										3,5A			9623	web	
96	230	2									7A		6A										3,5A		2A	2023	web	
100	230	2									7,5A												4,2A	3,8A		2,1A	2820	39
135	90-264	2									10A												5A			2,5A	2025	40
135	230	2						12A			10A		8A										5A			2,5A	9522	web
135	230	2						12A			11A		8A										6A			3A	2922	41
135	230	2									10A												5A			2,5A	2024	web
135	230	2									10A												5A			2,5A	9527	web
135	230	2						12A			11A												6A			3A	9521	web
290	120/230	2									20A												12A			6A	8921	42
588	230	3									40A												20A				2225	43

AC/DC Multiple output power supplies

AC/DC Flerspenningsaggregater

Max. power (W)	Input voltage (VAC)	Style	Output voltage		Model	Page
Maks. effekt (W)	Inngangsspenning	Form	Utgangsspenning		Modell	Side
11	230	2	+5 VDC ± 12 VDC		6823	web
50	90-264		+5 VDC ± 12 VDC		9221	web

AC/DC 19" Euro rack power

AC/DC 19" Euro rack power

Max. power (W)	Input voltage (VAC)	Style	Version - Output current (A)					Model	Page
Maks. effekt (W)	Inngangsspenning	Form	5V	9V	12V	15V	24V	Modell	Side
60W	120/230 VAC	3	12A	6,5A	5A	4A	2,5A	SEE-60-08 TE	web

## DC/DC Converters

## DC/DC Convertere

Max. power	Style	Version - Output current (A) / Versjon - Laststrøm (A)																				Model	Page				
Maks. effekt (W)	Form	12/5	12/6	12/7,5	12/9	12/12	12/24	10-32/12	12/48	24/6	24/7,5	24/9	24/12	24/24	24/36	24/48	36/12	36/24	48/12	48/24	48/48	72/12	72/24	80/12	80/24	Modell	Side

### Linear – Regulated / lineære-, stabiliserte

27	3	1A	3A	3A	3A				1,5A	1,6A	1,7A	2A														9061	46
40	3												3A													9062	web
40	3												3A													9063	web
80	3												6A													8662	47
110	3												8A													9261	web

### Switch mode – without el. separation – regulated / uten galvanisk skille – stabiliserte

41	3												3A													5060	48
75	3												6A													8860	web
106	2												8A													9460	49
276	3												20A													9970	50

### Switch mode – with el. separation – unregulated / med galvanisk skille – ustabiliserte

81	3												6A	3A		1,5A			6A	3A	1,5A					8861	web
100	3						8A	*4A																		8660	51
160	3												12A													8661	web

\* 192 W 8A 12/12 version connected in series with input is excl el separation / 192 W 8A 12/12 versjon seriekoblet m. inngang er uten galvanisk skille

### Switch mode – with el. separation – regulated / med galvanisk skille – stabiliserte

81	3			3A	1,7A		0,7A						6A	3A	2,5A	1,5A	6A	3A	6A	3A	1,5A				6A	3A	8862	web
81	3												6A	3A					6A	3A		6A	3A	6A	3A	9262	52	
158	2					6A							12A	7A					7A	12A	7A	3,5A			7A	9260	web	
158	2																		12A	7A				12A	7A	9660	53	

## Chargers for lead acid batteries

## Ladere for blybatterier

Max. charge current	Input voltage (VAC)	Style	6V	12V	24V	36V	48V	Model	Page
Maks. ladestrom (A)	Inngangsspenning	Form						Modell	Side
0,5	230	1	0,5A	0,5A				8614	web
0,65	230	1		0,65A				8714CV	web
0,8	230	2	0,8A	0,8A				7504	web
1	90-264	1	1A	0,7A	0,35A		0,18A	2740	55
1,3	90-264	2	1,3A	1,0A	0,5A		0,27A	2240	56
1,3	90-264	1	1,3A	1,0A	0,5A	0,35A	0,27A	2241	56
2,2	90-264	2		2,2A	1,2A			2541	57
2,2	90-264	1		2,2A	1,2A			2542	57
2,3	90-264	2		2,3A	1,3A	0,9A		9940	58
2,3	90-264	1		2,3A	1,3A	0,9A		9941	58
2,7	120/230	1	2,7A	2,7A	1,5A	1A		9640	59
2,7	120/230	1	2,7A	2,7A	1,5A	1A		9641	59
4	90-264	2		4A	2A	1,4A		2040-41-42	60
4	90-264	2		4A	2A			2140	61
4	90-264	2		4A	2,5A			2440	62
5	230	3		5A	2,5A			9840	63
7	230	2		7A	3,5A	2,3A		2840	64
7	95-264			7A	3,5A		2,3	3240	65 <span>New!</span>
10	120/230	3		10A	5A	3,3A	2,5A	9740	66
10	230	2		10A	5A	3,3A	2,5A	2047	67
10	90-264	2		10A	5A	3,3A	2,5A	2043	68
20 (25)	120/230	2		20A (25A)	10A	6,7A	5A	2044	69
20 (25)	230	2		20A (25A)	10A	6,7A	5A	2944	69
20	230	2		20A	10A	6,7A	5A	2045	70
20	120/230 (auto)	2		20A	10A			2745	71
20	120/230 (auto)	2		20A	10A			2945	71 <span>New!</span>
40	230	2		40A	20A			2245	72
2,7	10-30VDC	2	2,7A	2A	1,2A			2544	74
4	90-264	2		2x2A	2x1A			2641	76
								2841	77 <span>New!</span>
20	230	3		2x10A	10A			2640	78
40	230	2		50A (2x25)	25A			9541 X2	79

## Chargers for NiMH/NiCd batteries

## Ladere for NiMH/NiCd batterier

Max. power	Typical battery capacity	Style												Model	Page	
Maks. effekt	Typisk batterikapasitet	Form	2	1-10	1-12	1-14	3-6	4-8	4-20	5-10	6-12	10-20	12-25	24-40	Modell	Side
100mA	1Ah	1			0,06A										8314	web
400mA	0,5-4Ah	1		0,4A											8714CC	web
800mA	8Ah	2			0,8A										7504	web
800W	5Ah	2							0,8A						2246	web
16W	Programmable	2	1,3A				1,3A	1A		0,8A	0,7A	0,4A			2115	82
16W	Programmable	1	1,3A				1,3A	1A		0,8A	0,7A	0,4A			2116	82
35W	Programmable	2	3,0A				3,0A	2,2A		1,8A	1,5A	0,9A			2215	83
35W	Programmable	1	3,0A				3,0A	2,2A		1,8A	1,5A	0,9A			2216	83
45W	Programmable	1					3,5A	2,8A		2,2A	1,8A	1,2A			2015	84
65W	Programmable	2					4,5A	4A		3,5A	3A	1,8A	1,5A	0,9A	2415	85
32W	DC/DC programmable	2	3,0A				2,5A	2,,2A		1,8A	1,5A	0,9A			2515	86

## Chargers for Li-Ion batteries

## Ladere for Li-Ion batterier

Max. output power	Input voltage (VAC)	Style	Cells - Celler														Model	Page
			Charge current - Ladestrom (A)															
Maks. utg. effekt (W)	Inngangsspenning	Form	1	2	3	4	5	6	7	8	10	11	12	13	14	Modell	Side	
10,5	90-264	1	1,0	1,0	0,7	0,6	0,5	0,4	0,35							2740LI	88	
14,8	90-264	2	1,3	1,3	1,2	0,9	0,7	0,6	0,56							2240LI	89	
14,8	90-264	1	1,3	1,3	1,2	0,9	0,7	0,6	0,56							2241LI	89	
35	90-264	2	2,7	2,7	2,3	2	1,6	1,4	1,2	1	0,8	0,7	0,7	0,6	0,6	2541LI	90	
35	90-264	1	2,7	2,7	2,3	2	1,6	1,4	1,2	1	0,8	0,7	0,7	0,6	0,6	2542LI	90	
40	90-264	2			2,3	2	1,3	1,3	1,3	1						9940LI	91	
40	90-264	1			2,3	2	1,3	1,3	1,3	1						9941LI	91	
45	120/230	1		2,7	2,7	2,4	1,5	1,5	1,5	1,3						9641LI	92	
60	90-264	2	4	4	4	3,5	2	2	2	1,7	1,4	1,3	1,2	1,1	1,0	2040-41-42LI	93	
73,5	90-264	2	4	4		3,5				2,1						2440LI	web	
103	198-264	2	8,5	8,0	7,0	6,0	4,5	3,9	3,5	3,0	2,4	2,2	2,0	1,8	1,7	2840LI	94	
103	95-264				7	6	4,5		3,5	3				1,8		3240LI	95 <span>New!</span>	
28	20-60 VDC				2,3											2541LI	web	
35	10-30 VDC	2	3	2,5	2,3	2	1,6	1,4	1,2	1						2544LI	96	

## Chargers for LiFePO<sub>4</sub> batteries

## Ladere for LiFePO<sub>4</sub> batterier

Max. output power	Input voltage (VAC)	Style	Cells - Celler													Model	Page	
			Charge current - Ladestrom (A)															
Maks. utg. effekt (W)	Inngangsspenning	Form	1	2	3	4	5	6	7	8	10	11	12	13	14	15	Modell	Side
16,4	90-264	1	1,3	1,3	1,2	0,9	0,7	0,6		0,56							2240-2241 LiFe	web <span>New!</span>
35	90-264	2	2,7	2,7	2,3	2,0	1,6			1,2						1,1	2541-2542 LiFe	web <span>New!</span>
60	90-264	1		4	4	4	2	2	2	2						0,6	2040-1-2 LiFe	web <span>New!</span>
98	198-264	1	8,5	8	7	6,0	4,5	3,9	3,5	3,0						1,8	2840 LiFe	web <span>New!</span>

For other LiFePO<sub>4</sub> models, contact us for update / For andre LiFePO<sub>4</sub> modeller, kontakt oss for oppdateringer

## DC/AC Inverters

## DC/AC Invertere

Output waveform	Max. power	Input voltage	Style	Output voltage	Output socket	Model	Page
Kurvefasong	Maks. effekt (W)	Inngangsspenning (V)	Form	Utgangsspenning	Utgang stikkontakt	Modell	Side
Modified Sinewave Modifisert Sinus	110-140-140	12-24-48	2	230VAC	EU	9150	99
	150	12 or/eller 24	3			2984	100
	300	12 or/eller 24				2985	101
	600	12 or/eller 24				9986	102
	1000	12 or/eller 24				9987	103
	1500	12 or/eller 24				9988	104
Pure Sinewave Ren Sinus	150	12 or/eller 24	3	230VAC	EU or UK	2284	105
	300	12 or/eller 24				2285	106
	600	12 or/eller 24				2286	107
	1000	12 or/eller 24				2287	108

**Products with US/Canadian approval    Produkter m godkjenning fra USA/Canada**

Input voltage (VAC)	Approval	Versions	Model	Page
Inngangsspenning	Godkjenning	Versjoner	Modell	Side

**AC/DC power supplies – strømforsynere**

90-264	UL	4,5/5/6/7,5/9/12/15/48V	9725	19
90-264	UL	5/6/7,5/9/12/16/24 V (fixed cord/fast ledning)	9525	20
120	UL	7,5/9/12/18/24 V	9619	web
90-264	UL	6/9/12/16/24/48 V	2124-2126	31
90-264	UL	5/9/12/16/24/48 V	9920-9921-9922	33

**Chargers – Ladere**

90-264	UL	6/12/24V/36 V	2240-2241	56
90-264	UL	6/12/24/36/48 V	2541-42	57
90-264	UL	12/24/36 V	9940	58
120	UL	6/12/24/36 V	9641	59
90-264	UL	12/24/36/48 V	2040-41-42	60
90-264	UL	12 V	2043	68
90-264	UL	2-20 cells	2115-2116	82
90-264	UL	2-20 cells	2215	83
120	UL	3-20 cells	2015	84
10-30VDC	ETL	2-20 cells	2515	96
90-264	UL	1-7 cells	2240LI-2241LI	89
90-264	UL	1-4 cells	2541LI-2542LI	90
120	UL	2-8 cells	9641LI	92

**Products that are certified according to standard for electromedical equipment EN/UL 60601-1 3rd edition**

**Produkter som er sertifiserte i hht. standard for elektromedisinsk utstyr EN/UL 60601-1 3. utgave**

Max. output	Input voltage	Style	Output voltage	Max. current	Model	Page
Maks. ut	Inngangsspenning (VAC)	Form	Utgangsspenning	Maks. strøm	Modell	Side

**Chargers for lead acid batteries – Ladere for blybatterier**

1,3A	90-264	2+1	6/12/24/36 V	1,3A	2240-2241	56
2,2A	90-264	2+1	6/12/24/36/48 V	2,2A	2541-2542	57
4A	90-264	2	12/24/36/48 V	4A	2040-41-42	60
4A	90-264	2	12/24/36/48 V	4A	2140	61

**Chargers for NiMH/NiCd batteries – Ladere for NiMH/NiCd batterier**

16W	90-264	2	2-20 cells	16W	2115-2116	82
35W	90-264	2	2-20 cells	35W	2215	83

**Chargers for Li-Ion batteries – Ladere for Li-Ion batterier**

60W	90-264	2	1-14 cells	4A	2140LI	61
16,4W	90-264	2+1	1-4 cells	1,3A	2240LI-2241LI	89
35W	90-264	2	1-14 cells	2,2A	2541LI-2542LI	90
60W	90-264	2	1-14 cells	4A	2040LI-41LI-42LI	93

Products that complies with EN/UL 60601-1 see next page. / Produkter som tilfredsstillr medisinsk standard EN/UL 60601-1 se neste side.

Products that comply with standard for electro-medical equipment EN/UL 60601-1 (not certified)

Produkter som tilfredsstill standard for elektro-medisinsk utstyr EN/UL 60601-1 (ikke sertifisert)

Products that are certified according to EN/UL 60601-1 see previous page / Produkter som er sertifiserte i hht. medisinsk standard EN/UL 60601-1 se forrige side.

Max. output	Input voltage	Style	Output voltage	Certified acc. to std EN 60601-1 2nd ed	Max. current	Model	Page
Maks. ut	Inngangsspenning (VAC)	Form	Utgangsspenning	Sertifisert i hht. std. EN 60601-1 2.utg.	Maks. strøm	Modell	Side

AC/AC models – AC/DC modeller

15VA	230	1	3–42 V		4A	8710 *	14
20VA	230	1	6–42 V		3,2A	8810 *	14
7,5W	90–264	1	4,5–48 V		1A	2725	19
7,5W	230	1	5–15 V adjustable / justerbar		0,5A	8713 *	17
8W	230	1	5–24 V		0,8A	8717 *	17
10W	230	1	3–28 V		2,5A	8711 *	16
10W	90–264	1	5/6/7,5/9/12/16/24 V		0,8A	9525	20
40,8W	230	1	12/24 V	X	2,4A	9819	25
40W	90–264	1	5/9/12/16/24/48 V		3A	9926	33
40W	90–264	2	5/9/12/16/24/48 V	X	3A	9920-21-22	33
40W	90–264	2+1	5/6/9/12/16/24/48 V		3A	2720-21	34
60W	90–264	2	9/12/16/24 V		4,5A	2020-21-22	35
95W	90–264	2	12/16/24/48 V	X	7A	2026-9726	38
95W	90–264	2	12/16/24/48 V	X	7A	2023	web
100W	230	2	12/24/28/48 V		7,5A	2820	39
135W	230	2	12/16/24/48 V		10A	9522-2024	web
135W	230	2	5/12/16/24/48 V		10A	2922	41

Chargers for lead acid batteries – Ladere for blybatterier

0,65A	230	1	14,9 V		0,65A	8714CC *	web
1A	90-264	1	6/12/24/48 V		1A	2740	55
2,3A	90–264	2	12/24/36 V	X	2,3 A	9940	58
2,7A	120/230	1	6/12/24/36 V	X	2,7A	9641	59
4A	90–264	2	12/24 V		4A	2440	62
5A	230	3	12/24 V	X	5A	9840	63
7A	230	2	12/24/36 V		7A	2840	64
7A	90-264	2	12/24/36 V		7A	3240	65
10A	120/230	3	12/24/36/48 V	X	10A	9740	66
2x2A (12V)	90–264	2	2x12V/24 V		2x2A	2641	76

Chargers for NiMH/NiCd batteries – Ladere for NiMH/NiCd batterier

0,4A	230	1	1–10 cells		0,4A	8714CC *	web
45W	120/230	1	3–20 cells	X	45W	2015	84
65W	90–264	2	3–40 cells	X	65W	2415	86

Chargers for Li-Ion batteries – Ladere for Li-Ion batterier

10,5W	90–264	1	1–7 cells		1,4A	2740LI	88
40W	90–264	2+1	3–8 cells		2,3A	9940LI-41LI	91
45W	120/230	1	2–8 cells		2,7A	9641LI	92
73,5W	90–264	2	2 cells		4A	2440LI	web
103W	230	2	1–14 cells		8,5A	2840LI	94
103W	90-264	2	1–14 cells		8,5A	3240LI	95
34W	90–264	2	2 cells	X	4A	2440LI	web

\* Not as std version. Must be specified when ordering - Ikke som stdversjon, Må spesifiseres ved bestilling